Lesson Plans and Learning Assessment

Subject Mathematics 4   **Code** ค22104   **Teacher Ms. Jessa Agregorio**   **Foreign Language Department**

Matthayomsuksa 2/6   **2ˢᵗ Semester / Academic Year of 2024**   **Studying Time in Total 60 hours**   **1.5 Credits**

Week	Date	Time (Hours)	Learning Units	Learning Standards / Learning Outcomes	Learning Procedures	Learning Materials/Tools	Assignments/ Homework	Assessment tools
1	31 – 1 November 2024	6	Congruent Geometric Figures	1. Define Congruence 2. Use different properties to solve the problem 3. Proving triangle congruency	1. Present learning objectives 2. Brainstorm the students' on how to solve different problems 3. Assign students in groups to answer the worksheets.	- Mastering Mathematics (Work-Textbook) - Worksheet	Exercises Group Work Board Work	- Quizzes - Performance Test
2	4 – 8 November 2024				1. Present learning objectives 2. Assign students in groups to answer the worksheets.	- Mastering Mathematics (Work-Textbook) - Worksheet	Exercises Group Work Board Work	- Quizzes - Performance Test
3	11 – 15 November 2024	3	Congruent Triangles	1. Differentiate congruent condition 2. Apply each condition in examples.	1. Present learning objectives 2. Assign students in groups to answer the	- Mastering Mathematics (Work-Textbook) - Activity Sheet	Exercises Group Work Board Work	- Quizzes - Performance Test - Observed

#	Date		Topic	Learning Objectives	Procedure	Materials		Assessment
					worksheets.			Distributed Attribute
4	18 – 22 November 2024	3	Real-life Applications of Congruence	1. Use the knowledge and properties of congruence to solve mathematical and real-world problems. 2. Real-life application of different word problems	1. Present learning objectives 2. Brainstorm the students' on how to solve different problems 3. Assign students in groups to answer the worksheets.	- Mastering Mathematics (Work-Textbook) - Worksheet	Exercise Group work Paired work Individual work	- Quizzes - Problem solving - Performance Test
5	25 – 29 November 2024	3	Factorization of Polynomials by Using Distributive Property	1. Explain and apply distributive property to factor polynomials 2. Factorize different polynomials	1. Present learning objectives 2. Discuss the different properties of Polynomials	- Mastering Mathematics (Work-Textbook) - Google	Exercise Group work Paired work Individual work	- Quizzes - Problem solving
6	2 – 6 December 2024	6	Factorization of Quadratic Polynomial in One Variable	1. Factorize problems using Multiplication tables and algebra discs 2. Represent the problems using models and variables	1. Present learning objectives 2. Discuss different kinds of proportions 3. Apply the properties into examples	- Mastering Mathematics (Work-Textbook) Learning Chapter - Google	Exercise Paired work Individual work	- Quizzes - Problem solving
7	9 – 13 December 2024							
8	16 – 20 December 2024	3	Review	Review	Review	- Worksheet - Textbook		- Check Exercise - Quizzes - Problem solving
9	**Midterm Exam 2/2024 (December 23-27, 2024)**							
10	30 – 31 December	3	Nets	1. Introduce different kinds of figures.	1. Present learning objectives	- Worksheet - Textbook	Textbook	- Quizzes - Problem

	2024 1 – 3 January 2025			2. Use the net figures to draw solid figures.	2. Visual Presentation 3. Activities 4. Performance Activities			solving - Board Work
12	6 – 10 January 2025	3	Volume and Surface Area of Cubes and Cuboids	1. Define and introduce cube and cuboids 2. Use the formula to solve different word problems of cube and cuboids.	1. Present learning objectives 2. Visual Presentation 3. Activities 4. Performance Activities	- Worksheet - Textbook	Worksheet	- Quizzes - Problem solving
13	13 – 17 January 2025	3	Volume and Surface Area of Prisms	1. Define prisms 2. Solve for the volume and surface area of prisms using the formula	1. Present learning objectives 2. Visual Presentation 3. Activities 4. Performance Activities	- Mastering Mathematics (Work-Textbook) - Google	- Textbook	- Quizzes - Problem solving
14	20 – 24 January 2025	3	Volume and Surface Area of Cylinders	1. Define prisms 2. Solve for the volume and surface area of cylinders using the formula	1. Present learning objectives 2. Visual Presentation 3. Activities 4. Performance Activities	- Mastering Mathematics (Work-Textbook)	- Textbook	- Quizzes - Problem solving
15	27 – 31 January 2025	3	Dot Plots	1. Define prisms 2. Solve for the volume and surface area of cylinders using the formula	1. Present learning objectives 2. Discuss statistical question	- Worksheet - Textbook	Textbook	- Quizzes - Problem solving - Board Work
16	3 – 7 February 2025	6	Stem-and-Leaf Plots	1. Use the stem-and-leaf plot for displaying quantitative data. 2. Use stem-and-leaf plot in example	1. Present learning objectives 2. Visual Presentation 3. Activities 4. Performance Activities	- Worksheet - Textbook	Worksheet	- Quizzes - Problem solving - Portfolio
17	10 – 14 February 2025							

					5. Data gathering 6. Portfolio Presentation			
18	17 – 21 February 2025	3	Review	Review	Review	- Worksheet - Textbook		- Quizzes - Problem solving
19	**Final Exam 2/2024 (February 24-28, 2024)**							

Ratio Scores

Accumulated scores including Midterm examination : Final Examination	=	… **80**……	:	……**20**….
Accumulated scores before midterm examination /tasks/assigned works	=	…**30**…. scores		
Midterm examination	=	…**20**…. scores		
Accumulated scores after midterm examination /tasks/assigned works	=	…**30**…. scores		
Final examination	=	…**20**.... scores		
Total 100 scores				